

Abstract

The supply chain linkage management systems comprises; the transmission layer which transmits and receives the transaction information among companies etc. using the communications network; the business logic layer which manages the check of the contents of the message information transmitted and received from the transmission layer; the linkage management layer which performs tracking of demand information and supply information, inventory transition by linking the message information received from the business logic layer, which consists of ; the linkage execution module to model the message information to four types of information, "demand information", "supply information", "inventory information", and "production information"; the linkage logic module which processes the message information received from the business logic layer so that the data structure and linkage rule of a linkage execution module may be suited, and is delivered to the linkage execution module; the demand and supply tracking module which creates tracking information based on the linked information by the execution module. Therefore, the information required for the linkage management and the linkage method are separated from forms of companies, operating processes, sales channel, distribution channel, thus the linkage management can be performed free from these constraints.